Review Assignment

2. Calculate the number whose square root is:

a) 1.4 b) $\frac{3}{8}$ c) $\frac{7}{4}$ d) 0.5

3. Determine the value of each square root.

a) $\sqrt{0.04}$ b) $\sqrt{\frac{1}{16}}$ c) $\sqrt{1.96}$ d) $\sqrt{\frac{4}{81}}$

e) $\sqrt{1.69}$ f) $\sqrt{\frac{121}{49}}$ g) $\sqrt{0.09}$ h) $\sqrt{\frac{289}{100}}$

4. Determine the value of each square root.

a) b) $\sqrt{90.25}$

5. A square has area 148.84 cm^2.

a) What is the side length of the square?

b) What is the perimeter of the square?

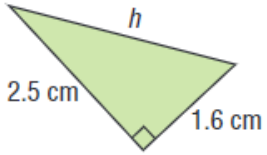
8. Use benchmarks to estimate each square root.

a) $\sqrt{5.6}$ b) $\sqrt{\frac{9}{10}}$ c) $\sqrt{42.8}$

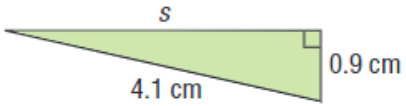
d)

9. In each triangle, determine the unknown length.

a)



b)



Answers to check your progress

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1. a) $\sqrt{\frac{25}{36}} = \frac{5}{6}$ b) $\sqrt{0.36} = 0.6$

2. a) 1.96 b) $\frac{9}{64}$

c) $\frac{49}{16}$ d) 0.25

3. a) 0.2 b) $\frac{1}{4}$

c) 1.4 d) $\frac{2}{9}$

e) 1.3 f) $\frac{11}{7}$

g) 0.3 h) $\frac{17}{10}$

4. a) 1.8 b) 9.5

c) 1.6

5. a) 12.2 cm b) 48.8 cm

8. Estimates will vary, for example:

a) About 2.4 b) About 0.95

c) About 6.5 d) About 5.97

e) About 0.24 f) 0.3

9. a) About 3.0 cm

b) 4 cm